

CS 225

Data Structures

November 9 – Review

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In Review: Data Structures

Array

- Sorted Array
- Unsorted Array
- Stacks
- Queues
- Hashing
- Heaps
 - Priority Queues
- UpTrees
 - Disjoint Sets

Graphs

Linked

- Doubly Linked List
- Skip List
- Trees
 - BTree
 - Binary Tree
 - Huffman Encoding
 - kd-Tree
 - AVL Tree

Final Exam Review Session

- Implementations
 - Edge List
 - Adjacency Matrix
 - Adjacency List
- Traversals
 - Breadth First
 - Depth First
- Minimum Spanning Tree
 - Kruskal's Algorithm
 - Prim's Algorithm
- Shortest Path
 - Dijkstra's Algorithm
 - Floyd-Warshall's Algorithm

...and this is just the beginning. The journey continues to CS 374!